

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/003163

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07D401/12 C07D405/14 A61K31/4439

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 346 982 A (DAIICHI PHARMACEUTICAL CO., LTD) 24 September 2003 (2003-09-24) paragraph '1212!; example 120	1-84
A	US 2003/171304 A1 (HOELZEMAN G?UUM ET AL) 11 September 2003 (2003-09-11) claims paragraph '0020!	1-84
A	WO 99/37621 A (HOECHST MARION ROUSSEL DEUTSCHLAND GMBH; GENENTECH, INC; PEYMAN, ANUSC) 29 July 1999 (1999-07-29) claims	1-84
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*8\* document member of the same patent family

Date of the actual completion of the international search

23 June 2005

Date of mailing of the international search report

08/07/2005

Name and mailing address of the ISA  
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Authorized officer

Kollmannsberger, M

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/003163

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>MILLER WILLIAM H ET AL: "Identification and in vivo efficacy of small-molecule antagonists of integrin alphavbeta3 (the vitronectin receptor)"            DRUG DISCOVERY TODAY,            vol. 5, no. 9, September 2000 (2000-09),            pages 397-408, XP002333225            ISSN: 1359-6446            the whole document</p>	1-84

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2005/003163

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  

Although claims 42-44, 81-84 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/003163

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1346982	A	24-09-2003	BR 0116608 A	29-06-2004
			CA 2430978 A1	11-07-2002
			EP 1346982 A1	24-09-2003
			MX PA03005838 A	10-09-2003
			NO 20032994 A	27-08-2003
			US 2004110945 A1	10-06-2004
			CN 1483024 A	17-03-2004
			WO 02053534 A1	11-07-2002
			ZA 200304059 A	06-07-2004
US 2003171304	A1	11-09-2003	DE 10028402 A1	20-12-2001
			AU 6606301 A	24-12-2001
			BR 0111555 A	08-07-2003
			CA 2414000 A1	03-12-2002
			CN 1436196 A	13-08-2003
			CZ 20023952 A3	12-03-2003
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			EP 1290010 A1	12-03-2003
			HU 0303716 A2	01-03-2004
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			MX PA02012411 A	25-04-2003
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			PL 358671 A1	09-08-2004
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			ZA 200209410 A	19-02-2004
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			AU 752882 B2	03-10-2002
			AU 2518199 A	09-08-1999
			BG 104630 A	30-04-2001
			BR 9907735 A	17-10-2000
			CA 2318221 A1	29-07-1999
			CN 1293662 A ,C	02-05-2001
			EA 3102 B1	26-12-2002
			WO 9937621 A1	29-07-1999
			EP 1049677 A1	08-11-2000
			HR 20000493 A1	30-06-2001
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			ID 26219 A	07-12-2000
			JP 2002501054 T	15-01-2002
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			NZ 505613 A	26-11-2002
			PL 341871 A1	07-05-2001
			SK 10632000 A3	12-02-2001
			TR 200002160 T2	23-07-2001
			UA 63990 C2	15-11-2000
			ZA 9900476 A	05-08-1999

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>J 10030 PCT</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP2005/003163</b>	International filing date (day/month/year) <b>24/03/2005</b>	(Earliest) Priority Date (day/month/year) <b>24/03/2004</b>
Applicant <b>JERINI AG</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☒ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

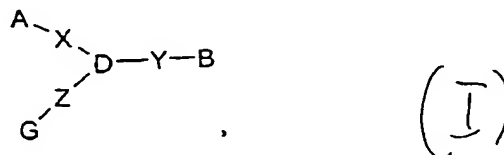
☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

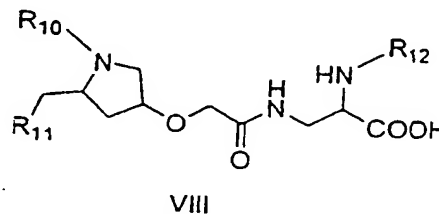
b. ☐ none of the figures is to be published with the abstract.

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

This invention is directed to compounds of structure (I).



Particularly this invention is directed to compounds of structure (VIII) wherein the variables are defined as in the description.



These compounds are integrin inhibitors and are useful in the treatment of diseases in which an inhibition of angiogenesis is desired.

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Date of the actual completion of the international search

23 June 2005

Date of mailing of the international search report

08/07/2005

Name and mailing address of the ISA

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 Fax: (+31-70) 340-3016

Authorized officer

Kollmannsberger, M

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